

Message Text

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PAGE 01 LONDON 20627 01 OF 02 221619Z
ACTION EUR-12

INFO OCT-01 ISO-00 CIAE-00 PM-04 INR-07 L-03 ACDA-10
NSAE-00 PA-02 SS-15 PRS-01 SP-02 USIA-15 TRSE-00
SAJ-01 DODE-00 COME-00 EB-07 /080 W
----- 094539 /54

R 221550Z DEC 76
FM AMEMBASSY LONDON
TO SECSTATE WASHDC 8990
INFO USMISSION NATO BRUSSELS

UNCLAS SECTION 01 OF 02 LONDON 20627

E.O. 11652: N/A
TAGS: BEXP, UK
SUBJECT: NATO INFRASTRUCTURE PROJECT: ICB NOTICE:
MODERNIZATION OF OPERATIONS CENTER

L. EMBASSY HAS RECEIVED ICB NOTICE PERTAINING TO EXTENSION OF EXISTING UNDERGROUND FACILITIES AT NORTHWOOD, MIDDLESEX, U.K. CONTRACT COMPRISES FOLLOWING WORKS: TO PROVIDE IN PHASE I A LARGE OFFICE TYPE EXTENSION, TOGETHER WITH A NEW DIESEL ENGINE HOUSE AND A NEW BORE HOLE HOUSE ALL UNDERGROUND. PHASE II OF CONTRACT COMPRISES REFURBISHING PARTITIONS, ELECTRICAL AND MECHANICAL SERVICES IN EXISTING UNDERGROUND ACCOMMODATION.

2. CONSTRUCTION WORK, MAINLY CIVIL ENGINEERING, IS AS FOLLOWS: (DIMENSIONS AND QUANTITIES ARE APPROXIMATE ONLY).

A. DEMOLITION OF EXISTING BARRACK ACCOMMODATION AND ASSOCIATED BUILDINGS; B. OFFICE TYPE EXTENSION OF IREGULAR PLAN SHAPE HAVING 0.75 METER THICK REINFORCED CONCRETE DIAPHRAGM WALL 15 METERS DEEP AROUND 145 METERS LONG PERIMETER. REINFORCED CONCRETE COMBINED FOUNDATIONS SLAB/FLOOR AND ROOF ARE EACH 2 METERS THICK; THE EXTERNAL WALLS ARE 2 METERS THICK INCLUDING DIAPHRAGM WALL;
UNCLASSIFIED

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PAGE 02 LONDON 20627 01 OF 02 221619Z

SINGLE SUSPENDED FLOOR IS A FLAT SLAB WITH CONCRETE LOAD BEARING WALLS ABOVE AND BELOW; C. DIESEL ENGINE HOUSE - REINFORCED CONCRETE STRUCTURE 2 METERS THICK WALLS, ROOF AND FLOOR WITH INTERNAL DIMENSIONS OF LENGTH 28 METERS, AVERAGE WIDTH 16 METERS AND 6 METERS HIGH. IT IS PROPOSED TO EXCAVATE THIS AREA IN OPEN CUT; D. BORE HOLE

HOUSE - REINFORCED CONCRETE STRUCTURE 0.8 METERS THICK WALLS, ROOF AND FLOOR, INTERNAL DIMENSIONS 2 METERS SQUARE AND 4 METERS HIGH. WITH A LINKING TUNNEL 45 METERS LONG CONSTRUCTED IN OPEN-CUT EXCAVATION; E. TWO BORE HOLES APPROX. 135 METERS DEEP AND 0.6 METERS DIAMETER. INSTALL TWO STEEL WATER TANKS 160,000 LITERS CAPACITY EACH; F. GENERAL INFORMATION - EXCAVATION IN CLAY APPROX. 50,000 CUBIC METERS PLUS BULKING. HIGH QUALITY WATERTIGHT CONCRETE APPROX. 20,000 CUBIC METERS. NO GROUND WATER ANTICIPATED. SOIL COVER ON COMPLETION 2 METERS THICK, SEEDED WITH GRASS AND WHOLE SITE SURROUNDED WITH SECURITY FENCE. INTERNAL AREA OF ACCOMMODATION SUB-DIVIDED BY METAL AND CONCRETE BLOCK PARTITIONS WITH SECURITY GRADE DOORS, SUSPENDED PROPRIETARY CEILING IN THE NEW CONSTRUCTION.

3. MECHANICAL & ELECTRICAL WORK IS AS FOLLOWS:

A. STANDBY POWER INSTALLATION. SUPPLY AND INSTALL IN A NEW ENGINE HOUSE THREE 11 KV, 1 MVA, AUTOMATIC START DIESEL GENERATING SETS AS A COMPLETE POWER SYSTEM UP TO AND INCLUDING THE OFF-TAKE CIRCUIT BREAKER PANELS. DISMANTLE AND REMOVE EXISTING 3 SET, 1 MVA DIESEL GENERATING INSTALLATION FROM EXISTING ENGINE HOUSE; B. 'NO-BREAK' POWER INSTALLATION. SUPPLY AND INSTALL BETWEEN LOCAL SUPPLY AND OFF-TAKE TERMINALS A 500 KW OUTPUT, MEDIUM VOLTAGE, 'NO-BREAK' STATIC POWER SYSTEM, COMPLETE WITH BATTERY BACK-UP INSTALLATION FOR 15 MINUTES RESERVE AT FULL POWER, SUITABLE FOR SUPPLYING COMPUTER LOADS; C. SCREENED ENCLOSURES. SUPPLY, FIX AND TEST TO STRICT SERVICE STANDARDS APPROX. 2,000 M2 OF ELECTRIC-UNCLASSIFIED

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PAGE 03 LONDON 20627 01 OF 02 221619Z

ALLY CONTINUOUS, 1 MM SHEET STEEL, SCREENING ENCLOSURES TO VARIOUS ROOMS FOR RF SECURITY SHIELDING AND BROADBAND MAGNETIC PULSE ATTENUATION, INCLUDING SURGE SUPPRESSORS AND FILTERS FOR VARIOUS CABLE ENTRIES, AND WAVE GUIDE ATTENUATORS FOR PIPED AND DUCTED SERVICES; D. GENERAL ELECTRICAL SERVICES. SUPPLY AND INSTALL GENERAL MEDIUM VOLTAGE ELECTRICAL SERVICES INSTALLATIONS COMPRISING 2 MVA MAIN SWITCH GEAR FROM LOCAL TRANSFORMERS, LIGHTING AND GENERAL HOUSE SERVICES OVER APPROX. 3,000 M2 OF NEW ACCOMMODATION, SUB-DISTRIBUTION SERVICES TO PLANT AND EQUIPMENT LOCAL SUPPLY PANELS, INTERCONNECTION ADAPTIONS AND RE-WIRING TO EXISTING INSTALLATIONS IN APPROX. 3,000 M2 OF EXISTING ACCOMMODATION, AND REMOVAL OF REDUNDANT SWITCHGEAR AND SERVICES; E. GENERAL MECHANICAL SERVICES. SUPPLY AND INSTALL ALL MECHANICAL SERVICES, INCLUDING LOCAL POWER AND CONTROL CABLING, OF WHICH MAJOR ITEMS WILL COMPRISE:
I. PLENUM AIR CONDITIONING SYSTEMS FOR 400 KW COM-

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PAGE 01 LONDON 20627 02 OF 02 221622Z
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UNCLAS SECTION 02 OF 02 LONDON 20627

PUTER INSTALLATION AND GENERAL OFFICE AREAS OVER APPROX. 3,000 M2 OF NEW, UNDERGROUND ACCOMMODATION. INTERCONNECTION ADAPTIONS AND GENERAL MODIFICATIONS TO EXISTING AIR HANDLING SYSTEMS IN APPROX. 3,000 M2 OF EXISTING UNDERGROUND ACCOMMODATION, INCLUDING REMOVAL OF REDUNDANT REFRIGERATION PLANT. PROVIDE NEW CHILLED WATER INSTALLATION FOR APPROX. 2,250 KW OF REFRIGERATION, INCLUDING 50 PERCENT STANDBY PLANT; II. TWO BOREHOLD PUMPING INSTALLATIONS EACH OF 45,000 L/H CAPACITY AT 130 M LIFT WITH DUPLICATE PUMP AT EACH BORE, BREAK TANKS, DUPLICATED TRANSFER PUMPS AND DISTRIBUTION PIPEWASH SYSTEMS TO DIESEL ENGINE AND CONDENSER COOLING SYSTEMS; III. PRESSURISED WATER DISTRIBUTION SYSTEM THRU 75 MM DIA MAINS FROM STORAGE PROVIDED BY OTHERS, TO HOSE REEL POINTS, TOILETS, GALLEYS AND SPECIAL EQUIPMENT, INCLUDING RECONNECTIONS AND MODIFICATIONS TO EXISTING SYSTEMS, OVER THE ACCOMMODATION AREAS STATED ABOVE. REMOVAL OF EXISTING REDUNDANT SYSTEMS.

4. CONTRACT WILL BE BASED ON HOST NATION STANDARD GOVERNMENT CONDITIONS OF CONTRACT AND WILL BE AWARDED BY COMPETITIVE TENDER ON DRAWINGS, SPECIFICATIONS AND BILLS
UNCLASSIFIED

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PAGE 02 LONDON 20627 02 OF 02 221622Z

OF APPROXIMATE QUANTITIES. ALTHOUGH THESE DRAWINGS WILL NOT BE FULLY DETAILED THEY WILL BE SUFFICIENT FOR TENDER-ING PURPOSES, AND WILL BE PROGRESSIVELY REPLACED BY FULLY DETAILED WORKING DRAWINGS COMMENCING WHEN CONTRACT IS AWARDED. WORK IN BILLS OF APPROXIMATE QUANTITIES WILL BE RE-MEASURED IN ACCORDANCE WITH THESE WORKING DRAWINGS. CONTRACT WILL INCLUDE ONLY OUTLINE DESCRIPTIONS AND PRIME COST SUMS FOR EXTENSIVE MECHANICAL AND ELECTRICAL SERVICES; THE CONTRACTING AGENCY WILL LATER OBTAIN COMPETITIVE TENDERS FOR THESE SERVICES AND THE CONTRACTOR WILL BE REQUESTED TO ENTER INTO SUB-CONTRACTS WITH THE SPECIALIST FIRMS SELECTED BY CONTRACTING AGENCY, THE SUB-CONTRACT SUMS THEN REPLACING PRIME-COST SUMS. THE SITE WORKING AREA TOGETHER WITH CONTRACTOR'S WORKS COMPOUND IS RESTRICTED IN AREA AND CONTRACTOR'S EMPLOYEES WILL HAVE TO ABIDE TO ESTABLISHMENT'S SECURITY REGULATION - REGARDING ENTRY AND THE WORKS AREA. PROJECT IS UNCLASSIFIED BUT CONTRACTOR'S EMPLOYEES REQUIRING ACCESS TO WORKS AREA WILL HAVE TO BE SECURITY VETTED TO VARIOUS DEGREES DEPENDENT UPON AREA OF WORK.

5. CURRENT APPROX. COST ESTIMATE FOR WORK IS 7 MILLION POUNDS, BUILDING WORK BEING 5 MILLION POUNDS AND MECHANICAL & ELECTRICAL SERVICES 2 MILLION POUNDS. PRESENT PROGRAM IS AS FOLLOWS:

ISSUE OF TENDER DOCUMENTS, MARCH 28, 1977

RETURN OF TENDERS, MAY 23, 1977

AWARD OF CONTRACT, JULY 18, 1977

COMMENCEMENT OF CONTRACT, AUGUST 15, 1977

COMPLETION OF PHASE IA - COMPUTER ACCOMM'N, DEC. 1979

COMPLETION OF PHASE I - EXTENSION BUILDINGS, MARCH 1980

COMPLETION OF CONTRACT, NOVEMBER 1981.

6. ADDITIONAL INFO. MAY BE OBTAINED FROM R.F. WINDOW, DEFENCE SECRETARIAT (NAVY), PROPERTY SERVICES AGENCY, ROOM A413, DIRECTORATE OF DEFENSE SERVICES II, WHITGIFT UNCLASSIFIED

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PAGE 03 LONDON 20627 02 OF 02 221622Z

CENTRE, WELLESLEY ROAD, CROYDON, SURREY CR9 3LY (PHONE: 01-686 8710, EXT. 3084. FIRMS ELIGIBLE AND WISHING TO BE INVITED TO TENDER SHOULD REPLY (QUOTING THIS CABLE NUMBER) WITHIN ONE MONTH TO OFFICE OF COMMERCIAL AFFAIRS AT THIS EMBASSY. SPIERS

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Message Attributes

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Disposition History: n/a
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Margaret P. Grafeld
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